

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Mechanical Engineering - Design of Machine Elements I

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Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Design Philosophy
Lecture 2 - Design And Manufacturing
Lecture 3 - Engineering Materials
Lecture 4 - Engineering Materials
Lecture 5 - Simple Stresses In Machine Elements
Lecture 6 - Simple Stresses In Machine Elements
Lecture 7 - Compound Stresses In Machine Elements
Lecture 8 - Design For Strength
Lecture 9 - Design for Strength
Lecture 10 - Design For Strength
Lecture 11 - Design for Strength
Lecture 12 - Design for Strength
Lecture 13 - Design of Fasteners - I
Lecture 14 - Design of Fasteners - II
Lecture 15 - Design Of Keys and Splines
Lecture 16 - Threaded Fasteners
Lecture 17 - Design Of Threaded Fasteners
Lecture 18 - Power Screws
Lecture 19 - Design Of Power Screws
Lecture 20 - Shaft Coupling - I
Lecture 21 - Shaft Coupling - II
Lecture 22 - Rivet Joints
Lecture 23 - Design of Welded Joints - I
Lecture 24 - Design of Welded Joints - II
Lecture 25 - Design of Joints With Eccentric Loading
Lecture 26 - Design of Joints With Variable Loading
Lecture 27 - Design of Springs
Lecture 28 - Design Of Springs
Lecture 29 - Design Of Springs

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- Lecture 30 - Belt Drives
- Lecture 31 - Belt Drives
- Lecture 32 - Belt Drives
- Lecture 33 - Design for Strength
- Lecture 34 - Design of Shafts
- Lecture 35 - Design of Machine Elements - I (V & W)
- Lecture 36 - Design of Machine Elements - II (V & W)
- Lecture 37 - Design of Cylinders & Pressure Vessels - II
- Lecture 38 - Design of Cylinders & Pressure Vessels - III
- Lecture 39 - Design of Brakes - I
- Lecture 40 - Design of Brakes - II